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1 A multicast packet forwarding mechanism for WCDMA networks using routing lists
Antonios Alexiou, Dimitrios Antonellis, Christos Bouras
October 2006 WMuNeP '06: Proceedings of the 2nd ACM international workshop on Wireless multimedia networking and performance modeling
Publisher: ACM
Full text available: 🖹 Pdf (807.56 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 69,   Citation Count: 0

This paper proposes a multicast scheme for the packet forwarding mechanism in the Universal Mobile Telecommunications System (UMTS). The scheme relies on the introduction of the Permanent Multicast Routing List (PMRL) and Temporary Multicast Routing ...

Keywords: MBMS, UMTS, multicast, multiple unicast

2 Countering Security Vulnerabilities in Agent Execution Using a Self Executing Security Examination
John Page, Arkady Zaslavsky, Maria Indrawan
July 2004 AAMAS '04: Proceedings of the Third International Joint Conference on Autonomous Agents and Multiagent Systems - Volume 3, Volume 3
Publisher: IEEE Computer Society
Full text available: 🖹 Pdf (243.56 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 15,   Citation Count: 1

The paper describes the evolution and implementation of a self-executing security examination (SENSE) for agents executing in non-trusted domains. It outlines the shortcomings of some of the existing agent security schemas. To meet these shortcomings, ...

3 An extended model of security policy for multi-applicative smart cards
Matthias Schwan
March 2007 ASIACCS '07: Proceedings of the 2nd ACM symposium on Information, computer and communications security
Publisher: ACM

Full text available: Pdf (211.79 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 258, Citation Count: 0

The overall security level of applications running on a smart card is not only determined by the particular applications and by the operating system but also by external devices. All proposed security models of smart card operating systems assume the ...

Keywords: biometrics, electronic signatures, security policy, smart cards

4 Heuristic control system for autonomous navigation

Brouno Delaunoit, Rodolphe Alimenti, Marc Bogaert
June 1988 IEA/AIE '88: Proceedings of the 1st international conference on
        Industrial and engineering applications of artificial intelligence and
        expert systems - Volume 1, Volume 1
Publisher: ACM
Full text available: Pdf (813.77 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation Count: 0

Autonomous navigation of a mobile robot requires that several problems be solved. These problems can be classified corresponding to their hierarchical level. We have defined four levels including, from top to bottom: communication ...

5 Performance analysis of untraceability protocols for mobile agents using an
adaptable framework

Rafał Leszczyna, Janusz Górski
May 2006 AAMAS '06: Proceedings of the fifth international joint conference on
        Autonomous agents and multiagent systems
Publisher: ACM
Full text available: Pdf (444.10 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 59, Citation Count: 0

Recently we had proposed two untraceability protocols for mobile agents and began investigating their quality. We believe that quality evaluation of security protocols should extend a sole validation of their security and cover other quality aspects, ...

Keywords: ACM proceedings, anonymity, mobile agents, performance evaluation, privacy, security, security protocols, untraceability

6 Retrofitting networked applications to add autonomic reconfiguration

Michael G. Merideth, Priya Narasimhan
May 2005 DEAS '05: Proceedings of the 2005 workshop on Design and evolution of
        autonomic application software
Publisher: ACM
Full text available: Pdf (409.16 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Citation Count: 1

To reduce user maintenance is an important goal for applications that must dynamically adapt based on their environments. There are many existing popular applications that lack support for this autonomic reconfiguration, but that are beginning to be ...

Keywords: autonomic, intrusion detection, reconfiguration, software upgrades

7 Security as a new dimension in embedded system design
Paul Kocher, Ruby Lee, Gary McGraw, Anand Raghunathan / Srivaths Ravi
June 2004 DAC '04: Proceedings of the 41st annual conference on Design automation
Publisher: ACM

Full text available: Pdf (209.10 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 48,   Downloads (12 Months): 390,   Citation Count: 18

The growing number of instances of breaches in information security in the last few years has created a compelling case for efforts towards secure electronic systems. Embedded systems, which will be ubiquitously used to capture, store, manipulate, and ...

Keywords: PDAs, architectures, battery life, cryptography, design, design methodologies, digital rights management, embedded systems, performance, security, security processing, security protocols, sensors, software attacks, tamper resistance, trusted computing, viruses

8 Sixthsense: rfid-based enterprise intelligence
Lenin Ravindranath, Venkata N. Padmanabhan, Piyush Agrawal
June 2008 MobiSys '08: Proceeding of the 6th international conference on Mobile systems, applications, and services
Publisher: ACM

Full text available: Pdf (1.03 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 43,   Downloads (12 Months): 88,   Citation Count: 0

RFID is widely used to track the movement of goods through a supply chain. In this paper, we extend the domain of RFID by presenting SixthSense, a platform for RFID-based enterprise intelligence systems. We consider an enterprise setting where people ...

Keywords: rfid, sensing, ubiquitous computing

9 Wireless broadband services and network management system in KT
Dong-Hyun Lee, Hwan-Joong Lee, Young-Woo Lee, Dong-Houn Shin
November 2006 International Journal of Network Management, Volume 16 Issue 6
Publisher: John Wiley & Sons, Inc.

Full text available: Pdf (778.41 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 22,   Downloads (12 Months): 277,   Citation Count: 0

As mobile devices such as laptops and PDAs are becoming widely available, customers' needs for portable Internet services are increasing. KT has been preparing to launch a WiBro (Mobile WiMax) service that is a high-speed, low-cost, wireless Internet ...

10 Secure systems development based on the common criteria: the PalME project
Monika Vetterling, Guido Wimmel, Alexander Wisspeintner
November 2002 SIGSOFT '02/ FSE-10: Proceedings of the 10th ACM SIGSOFT symposium on Foundations of software engineering
Publisher: ACM

Full text available: Pdf (640.02 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 98, Citation Count: 5

Security is a very important issue in information processing, especially in open network environments like the Internet. The Common Criteria (CC)is the standard requirements catalogue for the evaluation of security critical systems. Using the CC, a large ...

Keywords: AutoFocus, CASE, case study, common criteria, development process, formal methods, graphical description techniques, requirements engineering, security engineering, software design, software engineering

11 Towards an open, trusted digital rights management platform

Andrew Cooper, Andrew Martin
October 2006 DRM '06: Proceedings of the ACM workshop on Digital rights management
Publisher: ACM

Full text available: Pdf (417.51 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 197, Citation Count: 1

Trusted computing has received criticism from those who fear it will be used by influential market forces to exert power over the software used on consumer platforms. This paper describes an open architecture for digital rights management (DRM) enforcement ...

Keywords: DRM, digital rights management, mandatory access controls, trusted computing, virtual machines

12 Retrofitting networked applications to add autonomic reconfiguration

Michael G. Merideth, Priya Narasimhan
July 2005 ACM SIGSOFT Software Engineering Notes, Volume 30 Issue 4
Publisher: ACM

Full text available: Pdf (409.16 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Citation Count: 1

To reduce user maintenance is an important goal for applications that must dynamically adapt based on their environments. There are many existing popular applications that lack support for this autonomic reconfiguration, but that are beginning to be ...

Keywords: autonomic, intrusion detection, reconfiguration, software upgrades

13 Authentication for WiFi - WiBbro-based BWAN interworking

Yong Lee, Goo Yeon Lee
May 2008 MobiHoc '08: Proceedings of the 9th ACM international symposium on Mobile ad
          hoc networking and computing
Publisher: ACM

Full text available: Pdf (274.45 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 73, Citation Count: 0

In this paper, we solve the interworking problem for different user authentications between licensed BWAN and unlicensed band network when an unlicensed radio band user connects to the Internet via BWAN.

Keywords: WiBro, WiFi, interworking, user authentication

14 A buddy model of security for mobile agent communities operating in pervasive
    scenarios
    John Page, Arkady Zaslavsky, Maria Indrawan
    January 2004 ACSW Frontiers '04: Proceedings of the second workshop on
                  Australasian information security, Data Mining and Web Intelligence,
                  and Software Internationalisation - Volume 32, Volume 32
    Publisher: Australian Computer Society, Inc.
    Full text available: 📄 Pdf (344.53 KB) Additional Information: full citation, abstract, references, index terms

    Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 83, Citation Count: 1

        This paper examines the security aspects of different pervasive scenarios involving agent
        communities evolved using multi agent systems (MAS). It describes the motivation and
        the objectives behind the development of these agent communities and analyses ...

        Keywords: community, malicious, mobile agents (MA), security, vulnerability

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